

GENERAL DESCRIPTION

IZOPROTECT BOARD PY is a torch applied semi-rigid bituminous protection board, reinforced with double carrier of non-woven polyester with high puncture, and heat resistance to protect waterproof membrane against mechanically stress and impact due to sharp aggregate during back filling.

APPLICATION AREAS

IZOPROTECT BOARD PY is ideal for protection of waterproofing membranes in:

- Below or above ground
- Retaining walls & columns
- Basements and foundations

FEATURES

- Torch applied easy to use.
- Compatible with waterproofing membrane and liquid coating.
- Excellent adhesion strength.
- High impact and puncture resistance.
- Resists attack from salt and alkalis.

QUALITY CONTROL

IZOMAKS INDUSTRIES L.L.C. Manufacturing facility is controlled by high quality technical people and certified with QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS-ISO 14001:2015.

TOOLS REQUIRED

Gas torch, gas cylinder, measuring tape, trowel, knife, marking string etc.

APPLICATION METHOD

HORIZONTAL SURFACE

Place the protection board over applied waterproofing membrane in a series without maintaining any gaps including over and end laps with fully bonded torched applied from the low points and press firmly to achieve complete adhesion with the membrane surface. for intersections and protrusions can be applied by cut and fit methods.

VERTICAL SURFACE

Place the protection boards over vertical waterproof surfaces with fully bonded torched applied from the low points and press firmly over the surface keep hold till it sets.

BACKFILLING

Backfilling against vertical surfaces should be done within 48 hours after protection board installation has been done.

APPLICATION LIMITATION

- Avoid installation of protection board in the same day of waterproofing application.
- Do not install in moist surfaces or raining days.
- Avoid overheating.
- Avoid backfilling same days when protection has been done

PACKAGING

IZOPROTECT BOARD PY is manufactured under standard size 1x2 meters. And boards are palletized and covered with a shrink wrapped.

STORAGE AND HANDLING

- Keep the material in dry, cool ventilated and shaded areas for not more than 6 months.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

AVAILABLE SIZES

Thickness $\pm 0.2\text{mm}$	Size $\pm 1\%$
3, 4 and 6mm	1x2meters

TECHNICAL CHARACTERISTICS

Properties	Typical Values			Test method
Thickness	3mm	4mm	6mm	
Reinforcement	Double carriers polyester of non-woven	Double carriers polyester of non-woven	Double carriers polyester of non-woven	
Softening point (mixture)	140-160°C	140-160°C	140-160°C	ASTM D36
Penetration @25°C (mixture)	6-12dmm	6-12dmm	6-12dmm	ASTM D5
Compound stability	No flowing, no dripping at 121°C	No flowing, no dripping at 121°C	No flowing, no dripping at 121°C	ASTM D 5147
Puncture resistance To Static load To impact	L15 I15	L15 I15	L25 I10	UEAtc 2001 UEAtc 2001
Resistance to puncture	800N	1000N	1200N	ASTM E 154
Water absorption	<10%	<10%	<10%	ASTM D 5147
Bitumen content	50% maximum	50% maximum	50% maximum	ASTM D 4
Mass per unit area	4kg/m ²	5kg/m ²	5kg/m ²	ASTM D 5147

DISCLAIMER

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NOTE

The above shown technical data are results obtained in laboratory and extra data can be provided upon request.

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